

**ENGINEERING/OPERATIONS COMMITTEE MEETING RECAP  
FEBRUARY 10, 2011**

**COMMITTEE MEMBERS PRESENT**

Ed Mandich, Committee Chair  
Matt Disston, Committee Member

**STAFF PRESENT**

Don Chadd, General Manager  
Hector Ruiz, District Engineer  
Teresa Teichman, Secretary to the Board of Directors  
Michael Perea, Special Projects Manager  
Kris Hanberg, Wastewater Supervisor  
Neil McKenna, Water Supervisor  
Bob Beck, Maintenance Supervisor

**PUBLIC PRESENT**

No members of the public were present.

**CALL THE MEETING TO ORDER**

Committee Chair Mandich called the Engineering/Operational Committee Meeting to order at 7:05 a.m.

**VISITOR PARTICIPATION**

There was no visitor participation

**ORAL COMMUNICATION**

There were no comments.

**COMMITTEE MEMBER COMMENTS**

There were no Committee Member comments.

**REPORT FROM THE GENERAL MANAGER**

There was no report from the General Manager.

**ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP  
FEBRUARY 10, 2011  
PAGE 2**

**PROJECT MANAGEMENT**

**ITEM NO. 1A) STATUS REPORT AND POSSIBLE ACTION RELATING TO  
STORM DAMAGE**

Mr. Don Chadd, General Manager, provided photos and an overview of the damage TCWD incurred during the December 2010 and January 2011 storms. Mr. Chadd advised President Obama declared Orange County as an affected area on January 26, 2011 which allows TCWD to file for FEMA funding for emergency repairs .

Mr. Chadd reviewed quotes for temporary and permanent repairs and replacement of equipment. Mr. Chadd advised a FEMA kick-off meeting is scheduled for February 15, 2011 which district staff will attend. More information will be provided at the time of the Regular Board Meeting.

**The Engineering/Operational Committee received the status update. No action taken.**

**ITEM NO. 1B) STATUS UPDATE RELATING TO BAKER WATER  
TREATMENT PLANT**

Mr. Hector Ruiz, District Engineer, advised the Baker Water Treatment Plant (BWTP) Committee last met in January 2011 and the Committee Meeting scheduled for February 10, 2011 has been cancelled.

Mr. Ruiz provided a brief status update advising the Baker EIR Public Review Meeting was held on February 9, 2011 at IRWD. The environmental consultant ESA provided a project overview presentation which was followed by a question and answer session with members of the Public.

Mr. Ruiz also advised the design consultant RBF-Carollo is planning to submit the 90% design on February 23, 2011 and copies will be available to each agency. Mr. Ruiz advised a design coordination meeting has been scheduled with MWD for February 24, 2011 to discuss various project related items including pipeline crossings, construction work with MWD easements, and surge analysis.

**The Engineering/Operational Committee received the status update. No action taken.**

**ITEM NO. 1C) STATUS UPDATE AND POSSIBLE ACTION RELATING TO  
ROSE CANYON AND LANG WELLS GROUNDWATER  
TREATMENT FACILITY**

Mr. Ruiz provided a status update advising TCWD completed the tracer study following the Department of Public Health's (DPH) approval of TCWD's tracer study protocol. DPH is currently preparing a permit amendment and permit to operate the facility.

**ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP**  
**FEBRUARY 10, 2011**  
**PAGE 3**

Mr. Ruiz advised claims submittals are continuing in a timely manner and reimbursements to the district are on track.

Mr. Ruiz advised RC Foster and its subcontractors conducted project startup a week prior to and a week after the tracer study. Equipment startup, testing, and performance went well. Most of the work during startup was spent on coordination of the following three major control systems: Main control system (TESCO), filtration system (EPD Filters), and the finished water pumping system (Grundfos).

Mr. Ruiz discussed the proposed monuments sign as it relates to the actual materials used for the sign board and recommended a sign manufactured from real wood would better serve the canyon environment.

Mr. Ruiz advised that more asphalt was discovered in the area surrounding the monument and a change order is being processed for the removal of asphalt by R.C. Foster.

Mr. Ruiz advised TCWD is working to implement the new treatment system into its existing SCADA system and provide TCWD operators with remote monitoring and controls. Implementation requires assistance in programming of TCWD's SCADA system and purchase of new PCs and software similar to the new facility's controls system. TCWD did not include the above items in the original contract, because of the complexity in specifying a design based on multiple manufacturers. TCWD staff will begin procuring proposals for Software programming assistance for TCWD SCADA system along with hardware and software for remote monitoring and control of new system.

Discussion occurred relating to Water Awareness Month in May and changing the site of TCWD's annual open house from the Administration Building to the Trabuco Creek Well Facility. A Ribbon Cutting ceremony at the Trabuco Creek Well Facility was also discussed.

Mr. Chadd relayed information regarding a phone call from a resident in the canyon concerned about the condition of Rose Canyon Road. The caller stated the recent storms caused severe damage to the road and there is concern the dirt hauling trucks working at the rose reservoir may worsen the condition. Mr. Chadd explained to the caller the slope failure at rose reservoir and the need for emergency repairs which have now been completed.

Mr. Chadd advised the committee this road is owned collectively by all property owners along the road and that there is no preventative or repair program in place. It was noted garbage collection, septic hauling, delivery trucks and county vehicles are but a few of the vehicles that use this road routinely. As a good neighbor, TCWD would be open to the opportunity to form an Assessment District to address the road owners concerns.

**The Engineering/Operational Committee received the status update. Forward to the Board (Action Calendar).**

**ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP  
FEBRUARY 10, 2011  
PAGE 4**

**ITEM NO. 1D) STATUS UPDATE RELATING TO WATER MONITORING AND  
WATER CONSERVATION EFFORTS**

Mr. Chadd discussed the water allocation tables provided by the Municipal Water District of Orange County (MWDOC) containing data as of January 21, 2011.

Mr. Chadd discussed the impact of reduced water sales for TCWD and the financial impact to all water agencies if MET wholesale water sales continue to remain low.

**The Engineering/Operational Committee received the status update. No action taken.**

**ITEM NO. 1E) STATUS UPDATES REGARDING ON-GOING ENGINEERING  
PROJECTS**

1. Golf Club Lift Station Upgrades/Rehabilitation

Mr. Ruiz advised there is no new information to report.

2. Shadow Rock Detention Basin Facility Project

Mr. Ruiz advised he is waiting to receive more information relating to Proposition 84 funding. Mr. Ruiz has advised the WMA Committee of TCWD representation to that committee and anticipates a meeting to be scheduled sometime in April, 2011.

3. Brookseed/Dove Water Main Inter-Tie/Fire Line

Mr. Ruiz advised there is no new information to report.

. El Toro Road Sewer Lift Station

Mr. Ruiz advised there is no new information to report.

5. Other Projects

Mr. Ruiz discussed the Plano Median Water Conversion Project and stated DPH paperwork has been completed and approved for the project. TCWD staff will prepare a scope of work and performance schedule and will coordinate a meeting with City of Rancho Santa Margarita staff prior to the start of the project.

**The Engineering/Operational Committee received the status updates. Information will be forwarded to the Board. (Action Calendar).**

**ENGINEERING/OPERATIONAL COMMITTEE MEETING  
FEBRUARY 10, 2011  
PAGE 5**

**ITEM 1F) STATUS UPDATES REGARDING ACTIVE DEVELOPMENTS**

1. Skyridge – Standard Pacific Homes (85 DUs)

Mr. Ruiz advised he was contacted by the developer and instructed to stop all work until further notice.

2. Oaks at Trabuco

Mr. Ruiz advised there is no new information to discuss.

3. Fieldstone

Mr. Ruiz advised he is working with PSOMAS on submitting the developer letter and clarifying deposit funds.

4. Other Active Developments

Access pertaining to TY's nursery was discussed.

**The Engineering/Operational Committee received the status update. No action taken.**

**ITEM NO. 1G) WATER SYSTEM STATUS UPDATE**

Mr. Neil McKenna, Water Supervisor, provided the January 2011 update.

Source Water Production

1. The water treatment plant production totaled 103 acre feet.
2. The Rose Canyon Well produced 0 acre feet and the Lang Well produced 0 acre feet.
3. The average daily demand was 4.4 acre feet, or 2.2 cfs.

Projects and Repairs

1. Water Department Personnel added an 8-inch inline valve on the line originally at Rose Canyon Road and Trabuco Oaks Drive
2. Water Department Personnel disinfected the repaired 16-inch transmission main.

**The Engineering/Operational Committee received the status update. No action taken.**

**ENGINEERING/OPERATIONAL COMMITTEE MEETING  
FEBRUARY 10, 2011  
PAGE 6**

**ITEM NO. 1H)      WASTEWATER SYSTEM STATUS UPDATE**

Mr. Kris Hanberg, Wastewater Supervisor, provided the January 2011 status update.

**Robinson Ranch Wastewater Treatment Plant**

1.      The reclaimed water production totaled 40.6 acre feet.
2.      The recycled water demand was 14.4 acre feet.
3.      Dove Lake had zero feet of freeboard.
4.      The reclaimed water reservoir had 1 foot of freeboard.
5.      The District pumped a total of 13.4 acre feet from Dove Lake.
6.      The Dry Season Water Recovery Project produced zero acre feet.

**Projects**

1.      District Personnel cleaned the east and west SBR tanks at the wastewater treatment plant.
2.      The District sold 35.5 acre feet of recycled water to the Portola Basin.

Mr. Hanberg reviewed the Sewer System Management Plan (SSMP) Report with the committee.

***The Engineering/Operational Committee received the status update. No action taken.***

**ITEM NO. 1I)      JANUARY 2011 OPERATIONAL REPORT REVIEW**

There were no anomalies to report.

***The Engineering/Operational Committee received and filed the report. No action taken.***

**ENGINEERING/OPERATIONAL COMMITTEE MEETING  
FEBRUARY 10, 2011  
PAGE 6**

**ITEM NO. 1J)        ENGINEERING/OPERATIONAL COMMITTEE MEETING  
RECAP**

No changes were made to the Engineering/Operational recap.

***The Engineering/Operational Committee recommended that the Board receive and file the January 13, 2011 Engineering/Operational Committee Meeting Recap. (Consent Calendar).***

**ITEM NO. 1K)        OTHER MATTERS/REPORT**

Mr. Ruiz discussed the February 24, 2011 scheduled shutdown by MET of the Diemer plant and lower feeder while maintenance is performed. TCWD is prepared for the shutdown and anticipates meeting district demand through well water. Irvine Lake water is also available to TCWD if needed.

Mr. Chadd stated the regional water demand is down 20% at this time which will assist all agencies in meeting demands.

***Recommended Action: The Committee received the status update. No action taken.***

**ADJOURNMENT**

Committee Chair Mandich adjourned the February 10, 2011 Engineering/Operational Committee Meeting at 7:50 a.m.